

Technical Description for 434MHz Receiver, Model: Elitescreen

434 MHz RF signal emitted from the transmitter (Model: Cinetension) sold with this product was received by the antenna and past to the LNA of HC01, FSK receiver, which consists of a fully integrated multi-band PLL synthesizer, an LNA with switchable gain, I/Q down converter mixers, baseband filters and amplifiers, and an I/Q demodulator followed by a data filter. HC01 demodulated the signal and past to U2 (EM78P260) via the connector SDI, SDO, SCK, NSEL. The demodulated data was decoded by U2 and communicated with U6 (AT24C02), and then fed back to U2, which control the motor to up or stop or down screen.

The specification of HC01 Universal ISM Band FSK Receiver was attached with filename hc01.pdf.